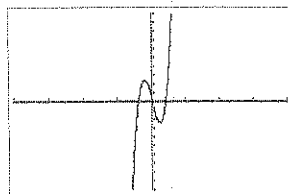


Section 2.4 Graphing Polynomial Functions

To graph a polynomial function:

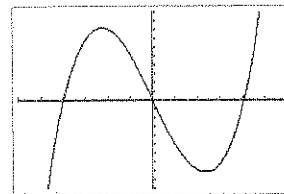
1. See Table 2.1 in the text to determine possible shapes for the graph.
(The graph of the function $y = x^3 - 16x$ has one of four shapes in the table.)
2. Graph the function in a window large enough to see the shape of the complete graph. This graph is like the graph of Degree 3(b) in the table in Section 2.4.
3. If necessary, adjust the window for a better view of the graph.

$[-40, 40]$ by $[-100, 100]$



$y = x^3 - 16x$

$[-6, 6]$ by $[-30, 30]$



$y = x^3 - 16x$

(Better view)

Section 2.4 Graphing Rational Functions

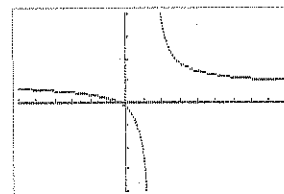
To graph a rational function:

1. Determine the vertical and horizontal asymptotes.
2. Set the window so that the x range is centered near the x -value of the vertical asymptote.
3. Set the window so that the horizontal asymptote is near the center of the y range.
4. Graph the function in a window large enough to see the shape of the complete graph.
5. If necessary, adjust the window for a better view of the graph.

To graph $y = \frac{12x + 8}{3x - 9}$, set the center of the window near the vertical asymptote $x = 3$ and near the horizontal asymptote $y = 4$.

```

WINDOW
Xmin=-12
Xmax=18
Xscl=3
Ymin=-18
Ymax=22
Yscl=2
Xres=1
    
```



Section 2.4 Graphing Piecewise Defined Functions

A piecewise defined function is defined differently over two or more intervals.

To graph a piecewise defined function $y = \begin{cases} f(x) & \text{if } x \leq a \\ g(x) & \text{if } x > a \end{cases}$

1. Go to the Y= key and enter $Y_1 = f(x)/(x \leq a)$ and $Y_2 = g(x)/(x > a)$
(The inequality symbols are found under the TEST menu.)
2. Graph the function using an appropriate window.
3. Evaluating a piecewise defined function at a given value of x requires that the correct equation ("piece") be selected.

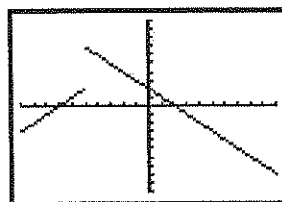
To graph $y = \begin{cases} x + 7 & \text{if } x \leq -5 \\ -x + 2 & \text{if } x > -5 \end{cases}$

```

LOGIC
Y1=
Y2=
Y3=
Y4=
Y5=
Y6=
Y7=
    
```

```

V1= X+7 / (X<=-5)
V2= (-X+2) / (X>-5)
V3=
V4=
V5=
V6=
V7=
    
```



PUGET SOUND ENERGY
Electric Tariff G

SCHEDULE 7
RESIDENTIAL SERVICE

(Single phase or three phase where available)

AVAILABILITY:

1. This schedule is limited to residential service, which means service that is delivered through one meter to a single-family unit and is used principally for domestic purposes, even though such service may incidentally be used for nondomestic purposes. Electric service for nondomestic use may be separately metered and served under the provisions of the applicable general service schedule, provided that such service does not include single-family units.
2. If this schedule is applied to transient occupancy in separately metered living units, billing shall be in the name of the owner on a continuous basis.
3. Single-phase motors rated greater than 7-1/2 HP shall not be served under this schedule except by the express written approval of the Company.
4. Space conditioning and water heating capacities shall be energized in increments of 6 KW or less by a thermostat, low voltage relay, or suitable time delay equipment.
5. Customers requiring three-phase service under this schedule will be required to contribute the incremental cost of three-phase facilities to provide such service.

MONTHLY RATE:

Basic Charge: \$7.25 single phase or \$17.41 three phase

Energy Charge:

8.4991¢ per kWh for the first 600 kWh (R)

10.2974¢ per kWh for all over 600 kWh (R)

(D)

(D)

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Issued By Puget Sound Energy

By: Tom DeBoer Tom DeBoer

Title: Director, Federal & State Regulatory Affairs

2011 Tax Rate Schedules



The Tax Rate Schedules are shown so you can see the tax rate that applies to all levels of taxable income. Do not use them to figure your tax. Instead, see the instructions for line 44.

Schedule X—If your filing status is **Single**

If your taxable income is:		The tax is:	
Over—	But not over—		of the amount over—
\$0	\$8,500	10%	\$0
8,500	34,500	\$850.00 + 15%	8,500
34,500	83,600	4,750.00 + 25%	34,500
83,600	174,400	17,025.00 + 28%	83,600
174,400	379,150	42,449.00 + 33%	174,400
379,150	110,016.50 + 35%	379,150

Schedule Y-1—If your filing status is **Married filing jointly or Qualifying widow(er)**

If your taxable income is:		The tax is:	
Over—	But not over—		of the amount over—
\$0	\$17,000	10%	\$0
17,000	69,000	\$1,700.00 + 15%	17,000
69,000	139,350	9,500.00 + 25%	69,000
139,350	212,300	27,087.50 + 28%	139,350
212,300	379,150	47,513.50 + 33%	212,300
379,150	102,574.00 + 35%	379,150

Schedule Y-2—If your filing status is **Married filing separately**

If your taxable income is:		The tax is:	
Over—	But not over—		of the amount over—
\$0	\$8,500	10%	\$0
8,500	34,500	\$850.00 + 15%	8,500
34,500	69,675	4,750.00 + 25%	34,500
69,675	106,150	13,543.75 + 28%	69,675
106,150	189,575	23,756.75 + 33%	106,150
189,575	51,287.00 + 35%	189,575

Schedule Z—If your filing status is **Head of household**

If your taxable income is:		The tax is:	
Over—	But not over—		of the amount over—
\$0	\$12,150	10%	\$0
12,150	46,250	\$1,215.00 + 15%	12,150
46,250	119,400	6,330.00 + 25%	46,250
119,400	193,350	24,617.50 + 28%	119,400
193,350	379,150	45,323.50 + 33%	193,350
379,150	106,637.50 + 35%	379,150



Price List

Notice 123 • Effective January 22, 2012

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Priority Mail®	3
First-Class Mail®	1
Parcel Post®	4
Media Mail®	5
Library Mail	5
Commercial Prices	
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Postal Explorer® pe.usps.com

First-Class Mail—Retail Single Piece

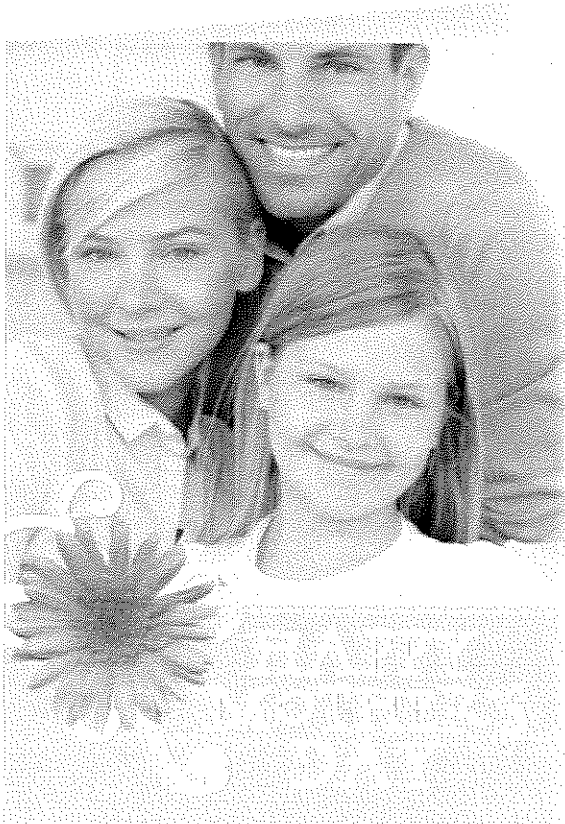
Weight Not Over (ounces)	Large Envelopes (Flats) ²		
	Letters ¹	Parcels ³	
1	\$0.45	\$0.90	\$1.95
2	0.65	1.10	1.95
3	0.85	1.30	1.95
3.5 ⁴	1.05	-	-
4	-	1.50	2.12
5	-	1.70	2.29
6	-	1.90	2.46
7	-	2.10	2.63
8	-	2.30	2.80
9	-	2.50	2.97
10	-	2.70	3.14
11	-	2.90	3.31
12	-	3.10	3.48
13	-	3.30	3.65
Postcard ⁵		\$0.32	
Nonmachinable Surcharge (Letters Only) ¹		0.20	

- Letters that meet one or more of the nonmachinable characteristics in DMM 101.1.2 are subject to the \$0.20 nonmachinable surcharge.
- Large envelope-sized pieces that are rigid, nonrectangular, or not uniformly thick pay parcel prices.
- For keys and identification devices, add \$0.76. If more than 13 ounces, see Priority Mail (footnote #4) on page 3.
- For weights over 3.5 ounces, see Large Envelopes (Flats) prices.
- The card price applies to each single or double postcard-sized mailpiece when originally mailed; reply half of double postcard must be designed for reply mail purposes only.

See page 60 for postcard, letter, large envelope, and parcel dimensions.

Orange Blossom Mother's Day

Card Prices (Mail Order)



Folded Greeting Card Sold individually	
1-19 Cards	\$2.50 per card
20-49 Cards	\$2.25 per card
50+ Cards	\$2.00 per card

Shipping & Handling: Greeting Cards

1-9 cards	\$1.49
4-9 cards	\$2.49
10-19 cards	\$4.99
20-49 cards	\$6.99
50-99 cards	\$10.99
100-149 cards	\$14.99
150-199 cards	\$18.99
Each additional 50 cards	\$2.99