

These even problems are from the bolded print problems on the assignment list. Any even problems that correspond to problems on coursecompass are not included in this document. You will know the correct answers to those problems when you get confirmation on coursecompass. All even answers to the chapter review problems are provided in the back of the textbook.

1.1

- | | | | |
|-----|-----------|----|----------------|
| 2) | variable | 4) | base, exponent |
| 6) | division | 8) | irrational |
| 10) | repeating | | |

1.2

- | | | | |
|----|-------|----|-------|
| 2) | False | 4) | False |
|----|-------|----|-------|

1.3

- 96) $5 + \frac{1}{2}n$ or $5 + \frac{n}{2}$

1.4

- 6) Let c represent the cost. $c - 0.15c = 272$
 8) Let t represent the time. $912 = (4 + 6)t$
 12) Let x represent the longer length. $x + \frac{2}{3}x = 10$

1.5

- | | | | |
|----|---------------|----|--------|
| 4) | $p = 2L + 2w$ | 8) | factor |
|----|---------------|----|--------|

1.6

- 122) 44

2.1

- | | | | |
|----|---------|-----|----------|
| 2) | ordered | 4) | negative |
| 6) | linear | 60) | 9 |

2.2

- | | | | |
|----|-----------------|----|-------|
| 2) | exactly or only | 4) | range |
| 8) | vertical | | |

2.3

- | | | | |
|-----|-----------|----|-----|
| 2) | (c) | 4) | (d) |
| 92) | undefined | | |

2.4

- | | | | |
|-----|--------------------------------|----|----------|
| 2) | y-axis | 4) | vertical |
| 6) | 0, y | 8) | standard |
| 94) | $-\frac{3}{2}x - \frac{12}{5}$ | | |

2.5

- | | | | |
|-----|-------|------|--------|
| 2) | True | 4) | True |
| 6) | False | 8) | True |
| 10) | True | 104) | \$1350 |

3.1

- | | | | |
|-----|---|----|-------|
| 2) | True | 6) | False |
| 8) | True | | |
| 50) | Let s represent single-dip and d the double-dip. $\begin{cases} s + d = 60 \\ 2.5s + 4.15d = 179.7 \end{cases}$ | | |
| 54) | Let L represent length and w width. $\begin{cases} 2L = 2w = 228 \\ w = L - 42 \end{cases}$ | | |

3.2

- | | | | |
|-----|----|-----|-----------|
| 58) | 90 | 60) | 290 miles |
|-----|----|-----|-----------|

3.3

- 48) 4 30-sec commercials, 8 60-sec commercials

4.3

- 6) True

5.1

- | | | | |
|----|-----|----|-----|
| 4) | (h) | 8) | (e) |
|----|-----|----|-----|

5.3

- | | | | |
|----|-------|----|------|
| 2) | False | 4) | True |
| 6) | False | | |

5.7

- | | | | |
|-----|---------------|----|-----|
| 2) | (a) | 6) | (e) |
| 78) | $\frac{5}{2}$ | | |

5.8

- | | | | |
|----|------|----|------|
| 2) | True | 4) | True |
|----|------|----|------|

6.2

- | | | | |
|----|-------|----|------|
| 4) | False | 8) | True |
|----|-------|----|------|

6.5

- 50) $2x^4 - x^3 - 6x$

6.8

- | | | | |
|----|-----|----|-----|
| 4) | (b) | 6) | (c) |
|----|-----|----|-----|

7.1

2) negative

8) negative

7.2

2) (c)

6) (d)

8) (f)

7.3

2) False

4) False

80) $\frac{(x-1)^2}{(x-2)^2}$

88a) 20 mph

7.4

2) (b)

6) (d)

7.5

2) indices

4) denominators

118) -6, 1

7.6

4) False

6) True

66) 56.25 feet

8.1

2) 7, -7