

ME 1 Chapter 8: Spiral Review

$$1) a) \quad \frac{104 \text{ in}}{36 \text{ in}} = \frac{x \text{ ft}}{1 \text{ ft}} \quad x \text{ ft} = \boxed{2.\bar{8} \text{ ft}}$$

$$b) \quad \frac{x \text{ lb}}{68 \text{ oz}} = \frac{1 \text{ lb}}{16 \text{ oz}} \cdot 68 \text{ oz} \quad x \text{ lb} = \boxed{4.25 \text{ lb}}$$

$$2) \quad \frac{x \text{ ft. shadow}}{6 \text{ ft. tall}} = \frac{2 \text{ ft. shadow}}{3.5 \text{ ft. tall}} \cdot 6 \text{ ft}$$

$$x \text{ ft. shadow} = \boxed{3.43 \text{ ft. shadow}}$$

$$3) \quad \begin{array}{r} \$96 = \$33 + 3(p) \\ -\$33 \quad -\$33 \end{array} \quad p = \text{price of a shirt}$$

$$\frac{\$63}{3} = \frac{3p}{3}$$

$$\boxed{p = \$21 \text{ for one shirt}}$$

$$4) \quad 4:15 - 55 \text{ min}$$

$$4 \text{ hours} + 15 \text{ min} - 55 \text{ min}$$

$$3 \text{ hours} + 60 \text{ min} + 15 \text{ min} - 55 \text{ min}$$

$$3 \text{ hours} + 20 \text{ min}$$

$$\boxed{3:20 \text{ pm}}$$

$$5) R = 32 = \underline{2 \cdot 2 \cdot 2 \cdot 2} \cdot 2 \quad \frac{32}{8} = 4$$

$$L = 24 = \underline{2 \cdot 2 \cdot 2} \cdot 3 \quad \frac{24}{8} = 3$$

$$D = 56 = \underline{2 \cdot 2 \cdot 2} \cdot 7 \quad \frac{56}{8} = 7$$

Emily can make 8 arrangements. Each will have 4 roses, 3 lilies, and 7 daisies.

$$6) 127 \text{ lb} \cdot \frac{16 \text{ oz}}{1 \text{ lb}} = \boxed{2032 \text{ oz}}$$

$$7) a) 6 \boxed{\cdot} 3 \boxed{+} 6 = 24$$

$$b) 3 \boxed{\cdot} 4 \boxed{\div} 2 = 6$$

$$c) 6 \boxed{+} 5 \boxed{-} 3 = 8$$

$$d) 7 \boxed{+} 54 \boxed{\div} 9 = 13$$

$$8) \text{ Sandra: } 17 \text{ yds} \cdot \frac{3 \text{ ft}}{1 \text{ yd}} = 51 \text{ ft}$$

Missy: 55 ft Missy walked farther

$$9) (7:42) - (4:03)$$

7 hours + 42 minutes - 4 hours - 3 minutes

3 hours + 39 minutes

3 hours, 39 minutes long 3:39

10) #	ones (whole #)	tenths	hundredths	thousandths
16.9257	17	16.9	16.93	16.926
32.0198	32	32.0	32.02	32.020
2.99542	3	3.0	3.00	2.995
8.3977	8	8.4	8.40	8.398
0.19191	0	0.2	0.19	0.192
10.9428	11	10.9	10.94	10.943
0.69842	1	0.7	0.70	0.698
100.5873	101	100.6	100.59	100.587
65.0296	65	65.0	65.03	65.030
15.5658	16	15.6	15.57	15.566