

Answer Key for Practice Worksheet 8-1 (part II)

1) $x = 10$, $y = 2\sqrt{29}$ (or 10.77), $z = 5\sqrt{29}$ (or 26.93)

2) $x = 3\sqrt{7}$ (or 7.94), $y = 4\sqrt{7}$ (or 10.58), $z = 12$

3) $x = 5\frac{2}{5}$, $y = 9\frac{3}{5}$, $z = 7\frac{1}{5}$

4) $x = 18$, $y = 12\sqrt{2}$ (or 16.97), $z = 4\sqrt{2}$ (or 5.66)

5) $x = \sqrt{2}$ (or 1.41), $y = 2$, $z = \sqrt{2}$ (or 1.41)

6) $x = 6\sqrt{2}$ (or 8.49), $y = 6\sqrt{6}$ (or 14.7), $z = 12\sqrt{3}$ (or 20.78)

7) $x = 4\sqrt{15}$ (or 15.49), $y = 4\sqrt{6}$ (or 9.8), $z = 4\sqrt{10}$ (or 12.65)

8) $x = \frac{\sqrt{2}}{6}$ (or 0.24), $y = \frac{\sqrt{3}}{6}$ (or 0.29), $z = \frac{\sqrt{6}}{6}$ (or 0.41)