$$\int x \qquad (\int 2x+3)^{2} = (5)^{2}$$

$$2x+3=25$$

$$(\int x)^{2} = (8)^{2}$$

$$x=64$$

$$x=64$$

Exercises

Solve each equation.

$$\frac{1.3 + 2x\sqrt{3} = 5}{2x\sqrt{3}} = \frac{1.3}{3}$$

$$4. \sqrt{5 - x} = 4 = 6$$

$$\frac{1.3 + 2x\sqrt{3}}{2\sqrt{3}} = \frac{1.3}{3}$$

$$4. \sqrt{5 - x} = 4 = 6$$

$$\frac{1.3 + 2x\sqrt{3}}{2\sqrt{3}} = \frac{1.3}{3}$$

$$\frac{1.3 + 2x\sqrt{3}}{2\sqrt{3}} = \frac{1.3 + 2x\sqrt{3}}{2\sqrt{3}}$$

$$\frac{1.3 + 2x\sqrt{3}}{2\sqrt{3}} = \frac{1$$

That's Radical Dude Activity

9. Solve for k.

$$\sqrt{k-9} - \sqrt{k} = -1$$

$$+ \sqrt{2}k - 5 = 1 - \sqrt{k-3}$$

$$(\sqrt{K-1}) (\sqrt{K-1})$$

$$(\sqrt{K-1}) (\sqrt{K-1}$$

10. Solve for
$$h$$
.

$$(\sqrt{h-5}) = (-\sqrt{h-3})^{2} \qquad (1-\sqrt{h-3})(1-\sqrt{h-3})$$

$$-5 = -2 - 2\sqrt{h-3} + 1 - \sqrt{h-3} - \sqrt{h-3} + h-3$$

$$-5 = -2 - 2\sqrt{h-3}$$

$$-2 + 2 + 2$$

$$-3 = -2\sqrt{h-3}$$

$$-2 + 3 + 3$$

$$-3 = h-3$$

$$+3 + 3 + 3$$

$$h = \frac{21}{4}$$

$$\sqrt{(x-8)} = \sqrt{5} - \sqrt{x}$$

$$\sqrt{(x+6)} = \sqrt{3} + \sqrt{x}$$

Homework

Finish "That's Radical Dude" activity.

Finish the worksheet.