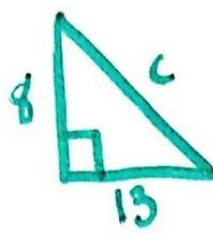
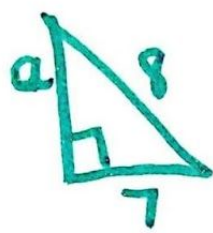


# Radical Expressions and Equations:

## Practice

1. if  then what is  $c$ ?

2. if  then what is  $a$ ?

3. Solve:

a.  $\sqrt{20}$

b.  $\sqrt{16a^8}$

c.  $\sqrt{\frac{100}{30}}$

d.  $\frac{\sqrt{6}}{\sqrt{14n^2}}$

e.  $\sqrt{\frac{3}{74}}$

f.  $\sqrt{x^4 y^3}$

g.  $3\sqrt{23x^2 y^7}$

h.  $\sqrt{65a^4 b^3}$

i.  $\sqrt{\frac{2}{89}}$

j.  $4\sqrt{3x^{24} y^4}$

k.  $\sqrt{\frac{7}{76}}$

l.  $\sqrt{84x^6 y^7}$

# Radical Expressions and Equations:

## Practice

4. Solve:

a.  $\sqrt{x} = 12$

b.  $\sqrt{x+6} = 55$

c. ~~XXXXXXXXXX~~  
 $\sqrt{3x-2} + 3 = 7$

5. Solve:  $\sqrt{3x-4} - \sqrt{5} = 0$

## Radical Expressions and Equations:

### Practice

6. Solve:

a.  $2\sqrt{6} + 5\sqrt{6} = 0$  b.  $3\sqrt{y} - \sqrt{y} = \sqrt{24} + \sqrt{27}$  c.  $\sqrt{160b} + \sqrt{16b^5}$

e.  $\sqrt{3}(5 + \sqrt{15})$  f.  $6\sqrt{9}(-3 + 5\sqrt{5})$  g.  $\frac{16}{\sqrt{6} - \sqrt{4}}$  h.  $(3 - \sqrt{11})(\sqrt{2} + 8)$