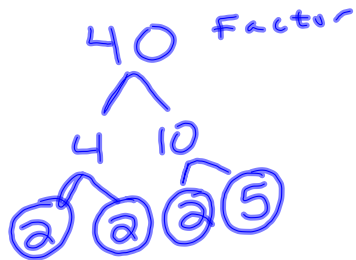


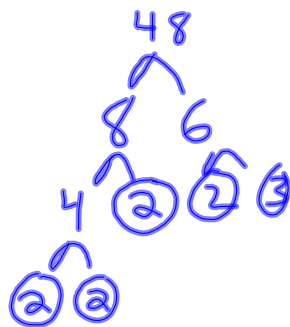
2-7-14  
5<sup>th</sup> Geo

$$\sqrt{40} = 2\sqrt{10}$$



$$\sqrt{40} = \sqrt{\boxed{2 \cdot 2} \cdot 2 \cdot 5}$$
$$2\sqrt{10}$$

$$\sqrt{48}$$

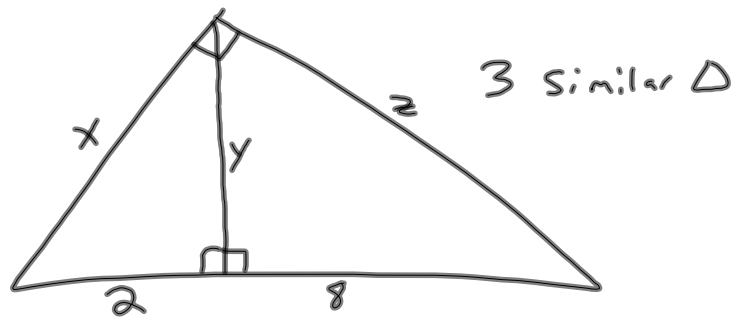


$$\sqrt{\cancel{2} \cancel{2} \cancel{2} \cdot 2 \cdot 3}$$
$$2 \cdot 2 \sqrt{3}$$
$$4\sqrt{3}$$

$$\sqrt{5400} = \sqrt{\cancel{2} \cancel{2} \cdot 2 \cdot \cancel{3} \cdot \cancel{3} \cdot 3 \cdot \cancel{5} \cdot \cancel{5}}$$
$$2 \cdot 3 \cdot 5 \sqrt{2 \cdot 3}$$
$$30\sqrt{6}$$

$$\sqrt{300} = \sqrt{\cancel{2} \cdot \cancel{2} \cdot 3 \cdot \cancel{5} \cdot \cancel{5}}$$
$$2 \cdot 5 \sqrt{3}$$
$$10\sqrt{3}$$

```
graph TD
    300 --> 3
    300 --> 100
    100 --> 10
    100 --> 10
    10 --> 2
    10 --> 5
    10 --> 2
    10 --> 5
```

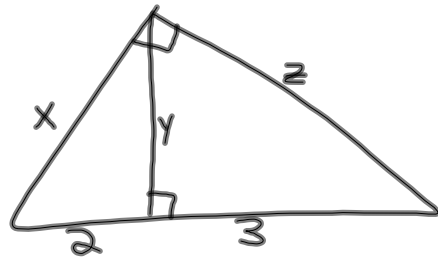


$$y = \sqrt{2 \cdot 8} = \sqrt{16} = 4$$

$$x = \sqrt{2 \cdot 10} = \sqrt{20} = 2\sqrt{5}$$

$$z = \sqrt{8 \cdot 10} = \sqrt{80} = 4\sqrt{5}$$

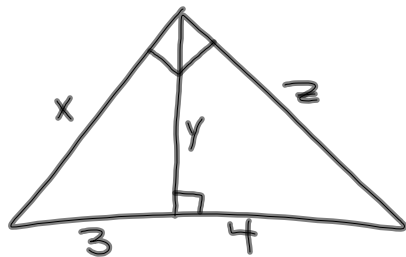
2 · 2 · 2 · 5



$$x = \sqrt{2 \cdot 5} = \sqrt{10}$$

$$y = \sqrt{2 \cdot 3} = \sqrt{6}$$

$$z = \sqrt{3 \cdot 5} = \sqrt{15}$$



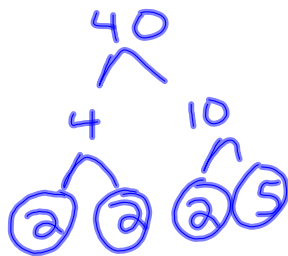
$$x = \sqrt{3 \cdot 7} = \sqrt{21}$$

$$y = \sqrt{3 \cdot 4} = \sqrt{12} = 2\sqrt{3}$$

$$z = \sqrt{4 \cdot 7} = \sqrt{28} = 2\sqrt{7}$$

2-7-14  
6<sup>th</sup> Geo

$$\sqrt{40} = 2\sqrt{10}$$

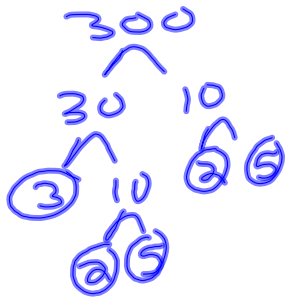


$$\sqrt{\cancel{2} \cdot \cancel{2} \cdot 2 \cdot 5}$$
$$2\sqrt{10}$$

$$\sqrt{\cancel{2} \cdot \cancel{2} \cdot \cancel{2} \cdot \cancel{2} \cdot 3 \cdot 3 \cdot 5}$$

$$2 \cdot 2 \cdot 3 \sqrt{5}$$
$$12\sqrt{5}$$

$$\sqrt{300}$$

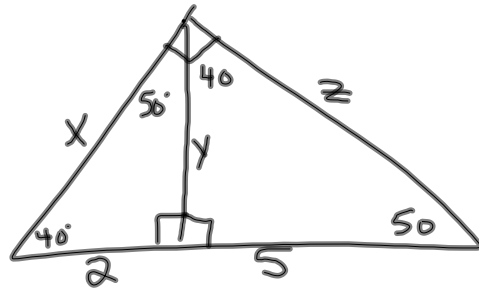


$$\sqrt{\cancel{2} \cdot \cancel{2} \cdot 3 \cdot \cancel{5} \cdot \cancel{5}}$$
$$2 \cdot 5 \sqrt{3}$$
$$10\sqrt{3}$$

$$\sqrt{24}$$



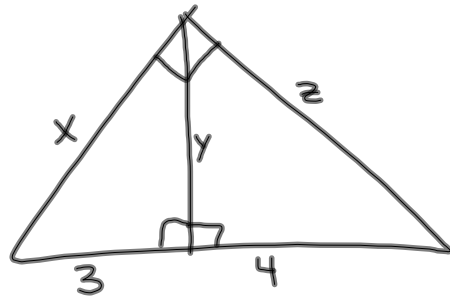
$$\sqrt{\cancel{2} \cdot \cancel{2} \cdot 2 \cdot 3}$$
$$2\sqrt{6}$$



$$y = \sqrt{2 \cdot 5} = \sqrt{10}$$

$$x = \sqrt{2 \cdot 7} = \sqrt{14}$$

$$z = \sqrt{5 \cdot 7} = \sqrt{35}$$



$$x = \sqrt{3 \cdot 7} = \sqrt{21}$$

$$y = \sqrt{3 \cdot 4} = \sqrt{12} = 2\sqrt{3}$$

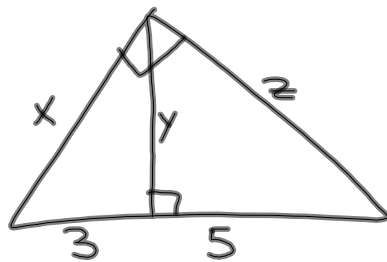
$$z = \sqrt{4 \cdot 7} = \sqrt{28} = 2\sqrt{7}$$

$$2\sqrt{2 \cdot 3}$$

$$12$$

$$4 \sqrt{3}$$

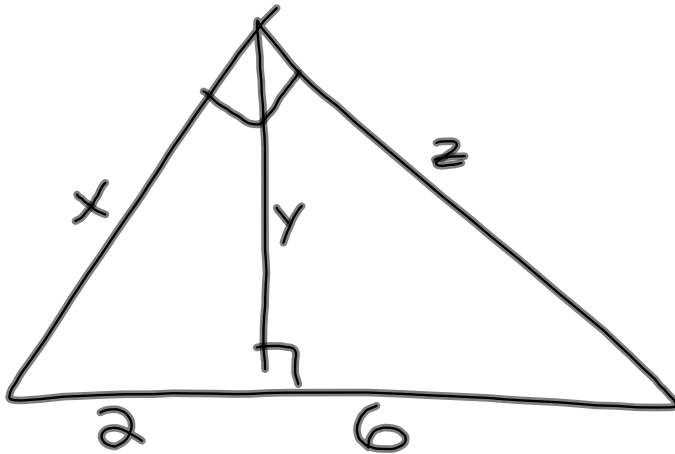
$$2 \sqrt{2}$$



$$x = \sqrt{3 \cdot 8} = \sqrt{24} = 2\sqrt{6}$$

$$y = \sqrt{3 \cdot 5} = \sqrt{15}$$

$$z = \sqrt{5 \cdot 8} = \sqrt{40} = 2\sqrt{10}$$



$$x = \sqrt{2 \cdot 8} = \sqrt{16} = 4$$

$$y = \sqrt{2 \cdot 6} = \sqrt{12} = 2\sqrt{3}$$

$$z = \sqrt{6 \cdot 8} = \sqrt{48} = \sqrt{2 \cdot 3 \cdot 2 \cdot 2 \cdot 2}$$
$$4\sqrt{3}$$