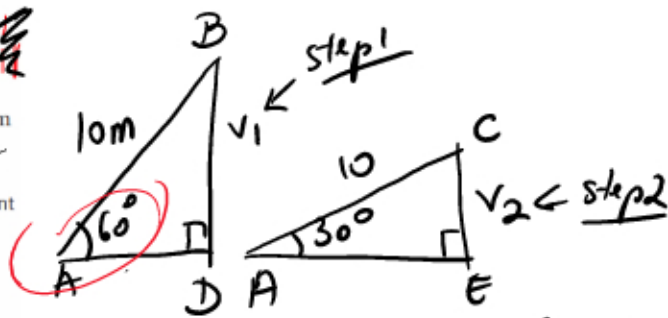
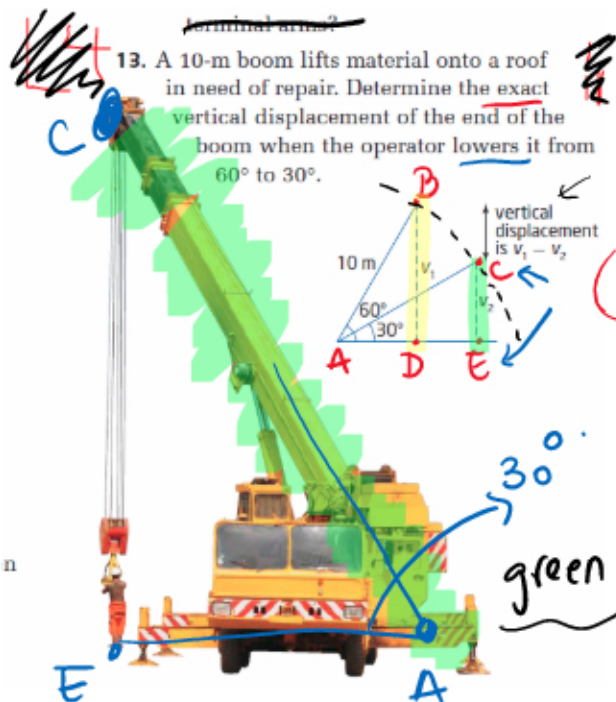




Step 3: $\Delta V = v_1 - v_2 = \text{displacement}$
 answer

green = $AC = AB = 10$

$V_1 = 8.6$
 $V_2 = 5$

$\cos 60 = \frac{V_1}{10}$

adjacent = part of the angle



adjacent cannot DEL!

opposite = not part of $\angle$ can be del.

$\sin 60 = \frac{V_1}{10}$

$V_1 = 8.6$

$V_2 = 5$

displacement = 3.6

$\sin 60 = \frac{V_1}{10}$

exact

$\sqrt{3} = 1.73205...$

exact

not exact

$\sin 60 = \frac{\sqrt{3}}{2}$

$\sqrt{3} = \text{exact}$

$\sqrt{n^2} = n$

$\frac{\sqrt{3}}{2} = \frac{V_1}{10} \Rightarrow V_1 = \frac{10 \cdot \sqrt{3}}{2} = 5\sqrt{3} \approx 8.66$



0.00205xxxxxx