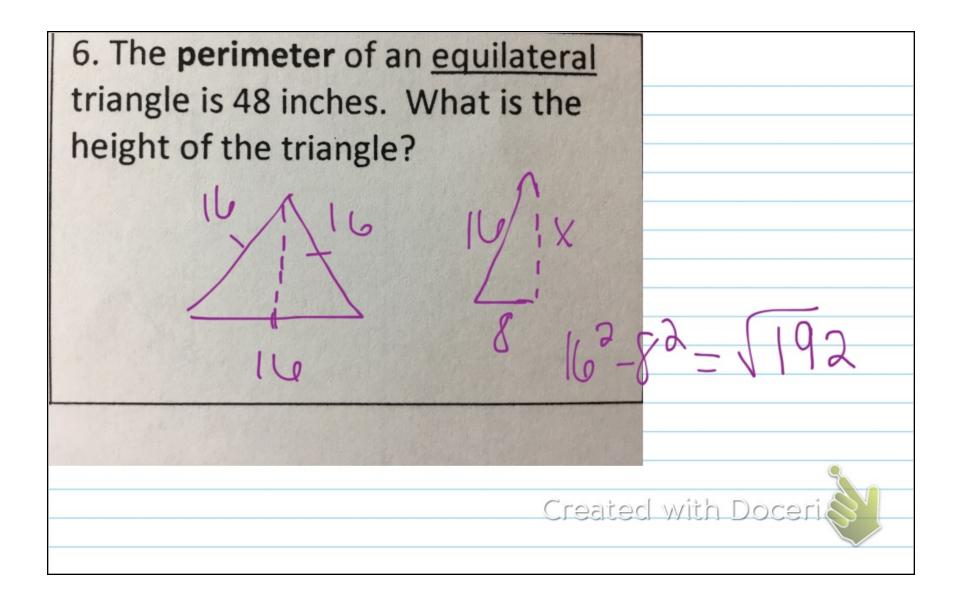
Unit7

Lesson 5

Angles of Elevation + Depression

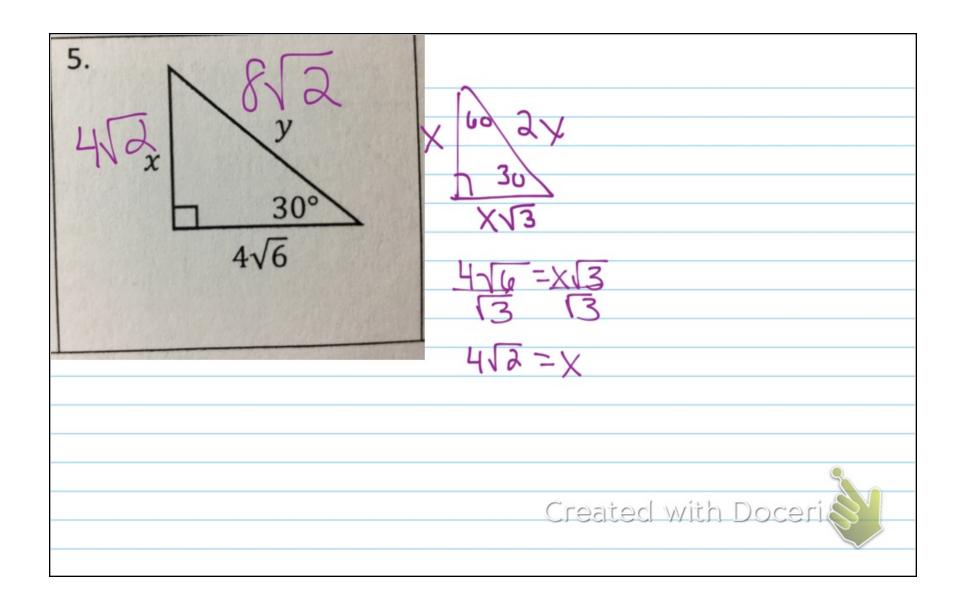
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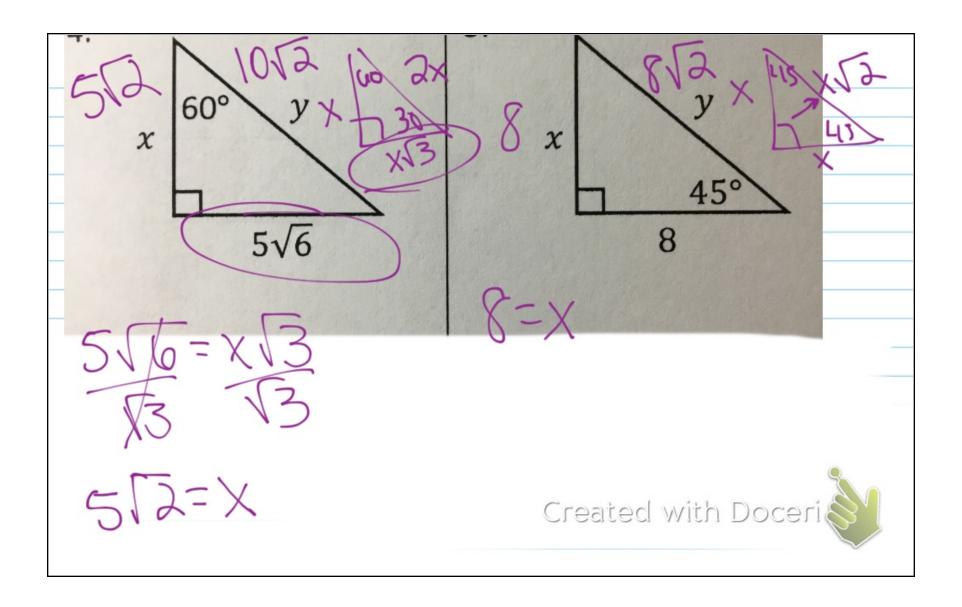


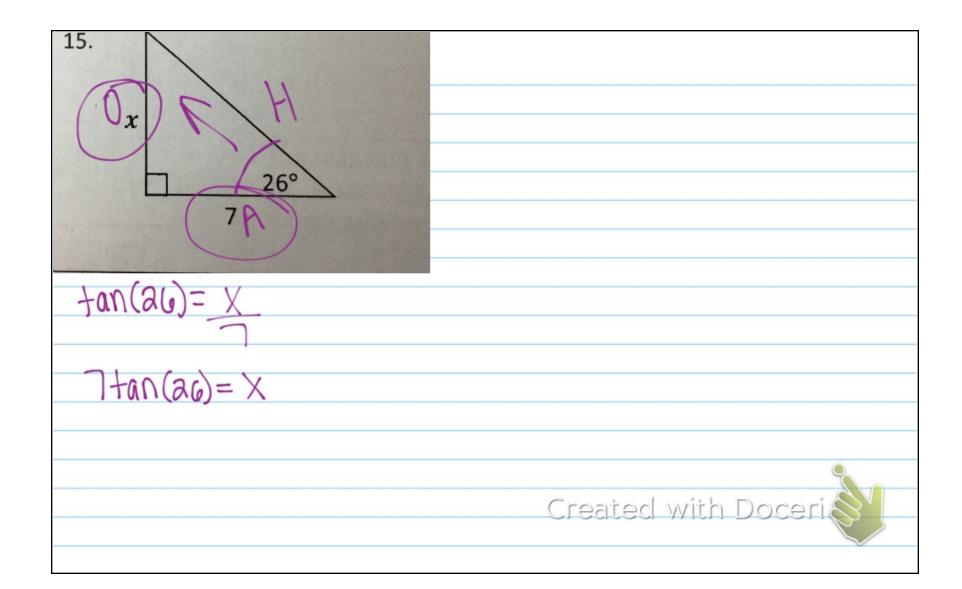
18. A ladder leaning against the wall makes an angle of 64° with the ground. If the foot of the ladder is 7.5 feet from the wall, how high on the wall is the ladder?

$$tan(64) = \frac{x}{7.5}$$
 $7.5 tan(64) = x$

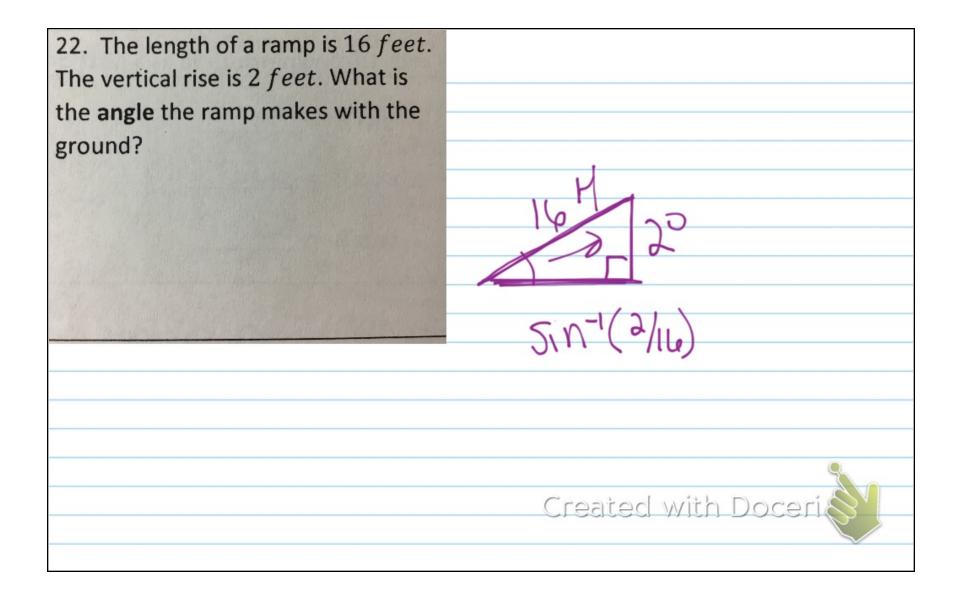
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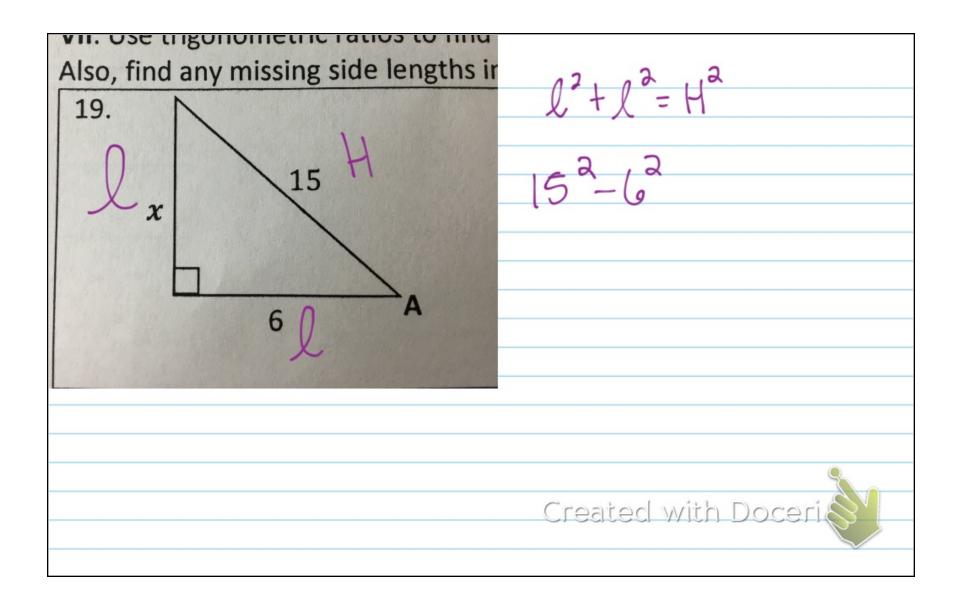


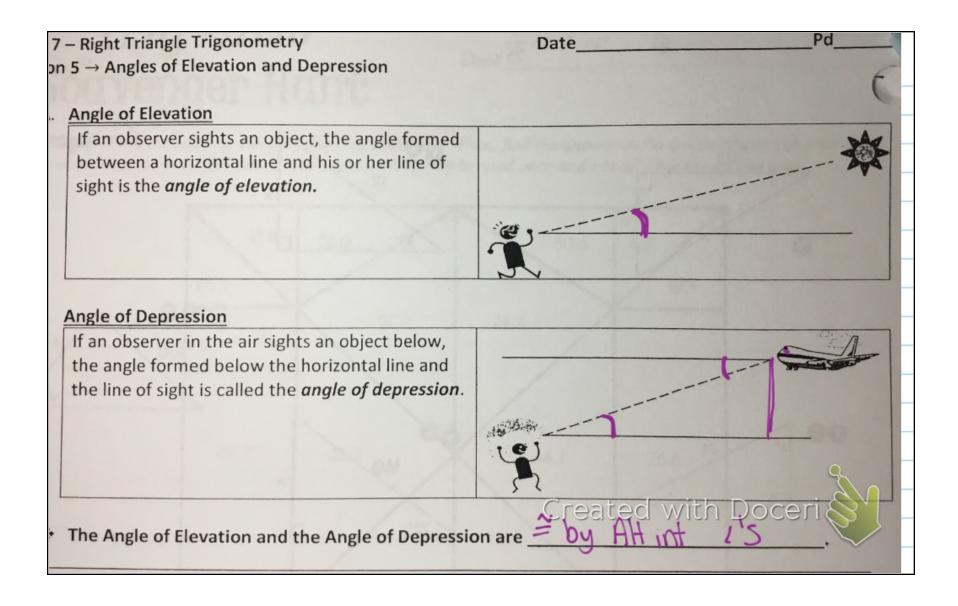


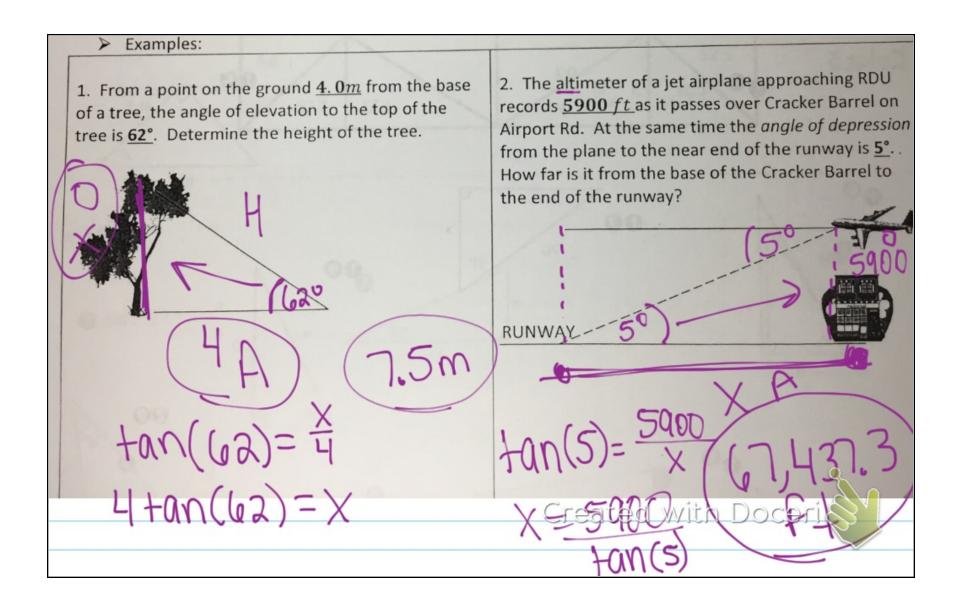


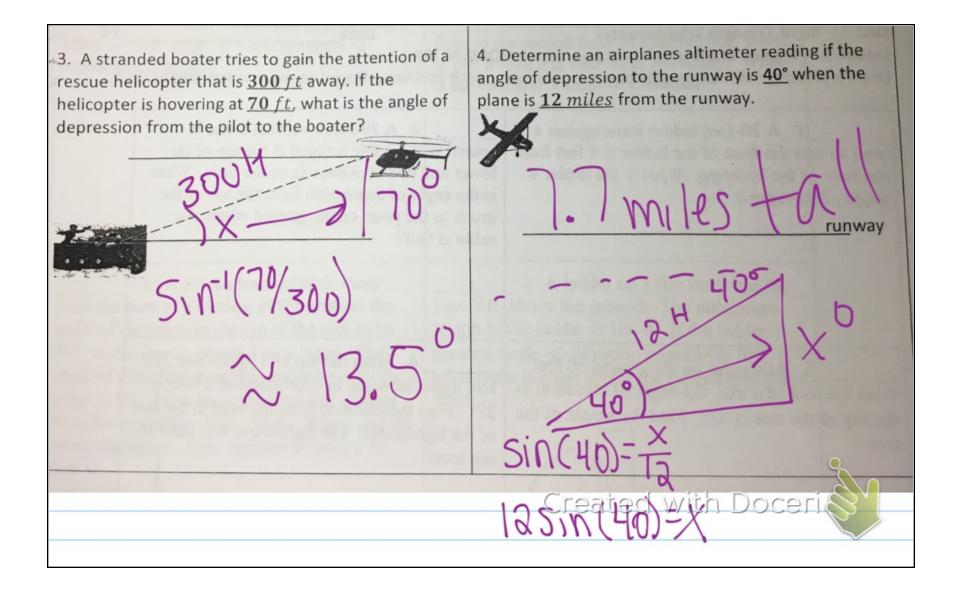
| x | 4√6 | y = |
|--------------------------------|--|-----------------------------|
| | | 6. height |
| sin A = $\frac{4/10 = 3/5}{5}$ | tht to write each trigonometric ratio as a sin B = | fraction (in lowest terms). |
| 7. cos A = tan A = | 8. cos B = tan B = | c 6 B |
| IV. Find the value of each tri | gonometric function rounded to 4 – dec i | imal places. |
| | | |
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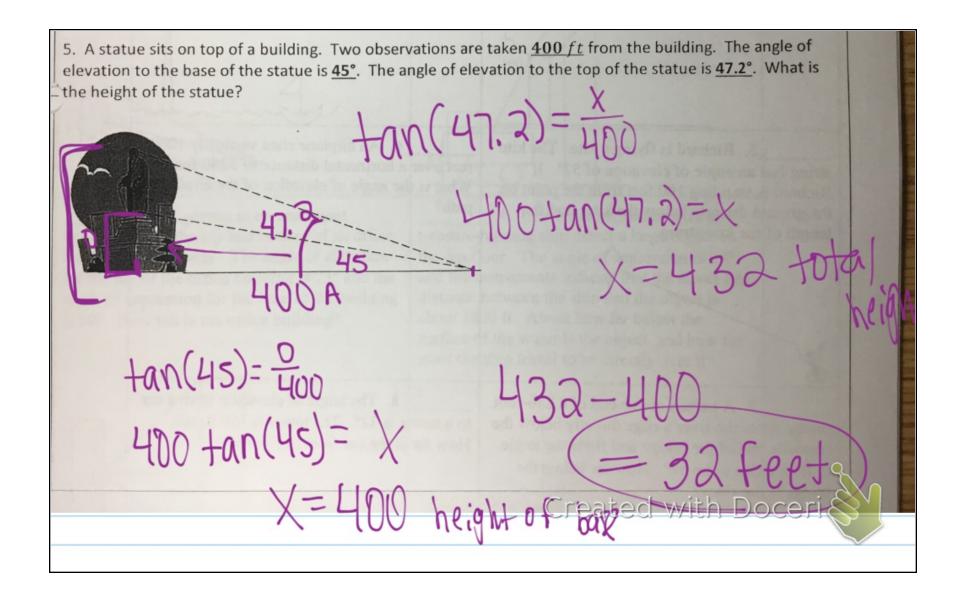












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