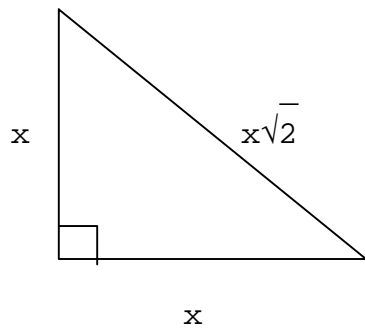
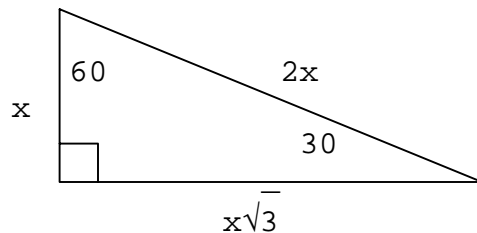


ACT Formulas

- 1) SOHCAHTOA
- 2) Midpoint Formula: $((X_1 + X_2)/2, (Y_1 + Y_2)/2)$
- 3) Law of Sines: $\sin A/a + \sin B/b + \sin C/c$
- 4) Standard form of a Circle: $(X - h)^2 + (Y - k)^2 = r^2$
center = (h, k) radius = r
- 5) Pythagorean Theorem: $a^2 + b^2 = c^2$
- 6) Logarithms: $\log_b A = C$ is the same as $b^C = A$
- 7) Distance Formula: $D = R * T$
- 8) Slope Formula: $(Y_2 - Y_1)/(X_2 - X_1)$
- 9) Pythagorean Triples: {3, 4, 5} {5, 12, 13}
and all multiples
- 10) Isosceles Right Triangle:



- 11) 30-60-90 Triangle:



- 12) Distance Formula: $D = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

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