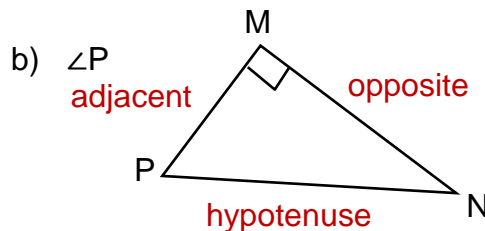
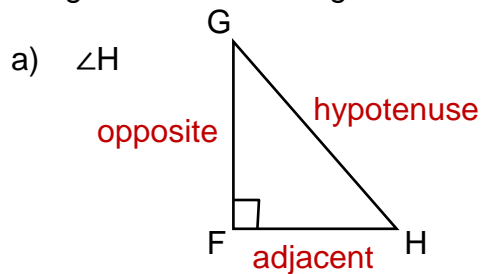
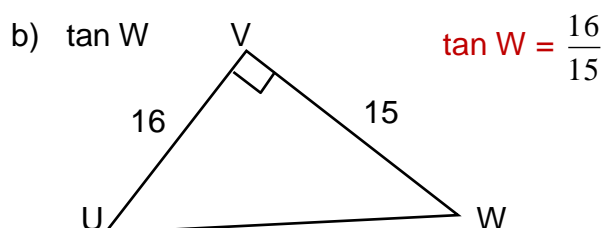
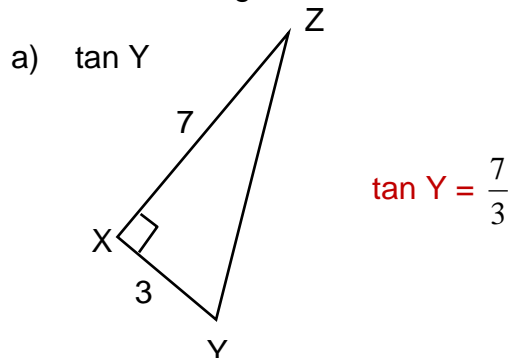


1. Label the hypotenuse, opposite and adjacent sides for each right triangle using the given reference angle.



2. Find the tangent ratio in fraction form.

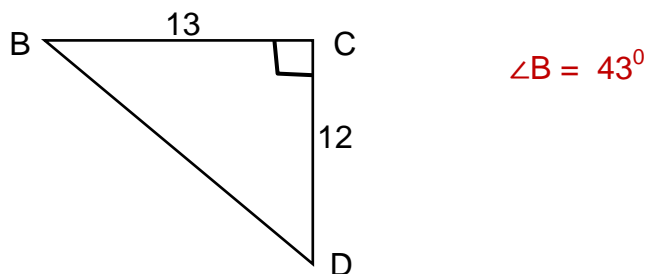


3. Find the measure of  $\angle A$ .

a)  $\tan A = 0.5 \quad \angle A = 27^\circ$

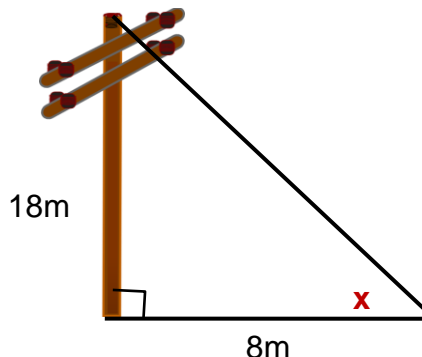
b)  $\tan A = \frac{5}{6} \quad \angle A = 40^\circ$

4. Find the measure of  $\angle B$  to the nearest degree.



5. A telephone pole is supported by a wire. What angle, to the nearest degree, does the wire make with the ground?

$\angle x = 66^\circ$



6. Victor is building a wheelchair ramp to an entranceway that is 3m above the sidewalk. The ramp will cover a horizontal distance of 50m. What angle, to the nearest degree, will the ramp make with the ground?

