**TASK ANALYSIS A – WORKSHEET**

Find the missing side of each of the triangles.

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**TASK ANALYSIS B – Worksheet**

1. A 35-foot ladder is leaning against the side of a building and is positioned such that the base of the ladder is 21 feet from the base of the building. How far above the ground is the point where the ladder touches the building?
2. A carpet measures 7 feet long and has a diagonal measurement of sq (74) feet. Find the width of the carpet.
3. A 32 foot ramp connects a platform with a sidewalk that is at ground level. If the platform is 6 feet above ground level, what is the distance from the base of the platform to the sidewalk?
4. A dog pen is in the shape of a right triangle. The longer leg measures 15 feet. The hypotenuse is 7 feet shorter than three times the length of the shorter leg. How long is the shorter leg?
5. From a point 12 m from the base of a flagpole the angle of elevation to the top of the pole is 42 degrees. How tall is the flagpole?
6. John leaves school to go home. He walks 100 blocks North and then 820 blocks west. How far is John from the school?