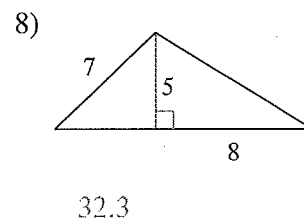
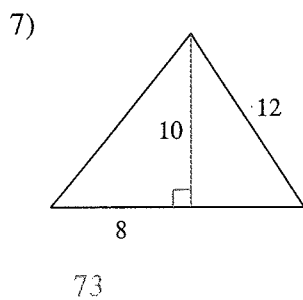
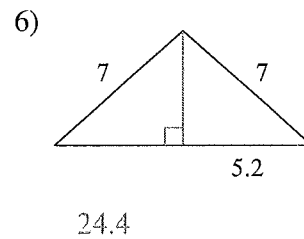
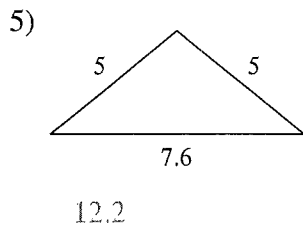
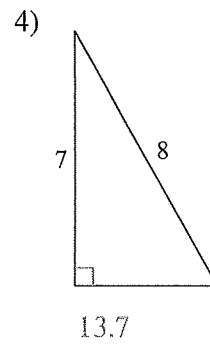
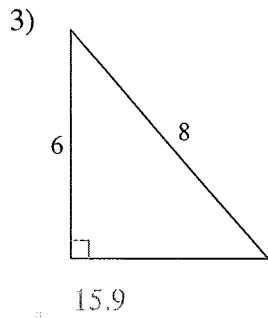
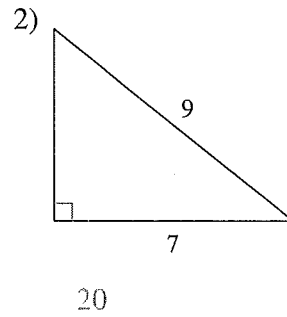
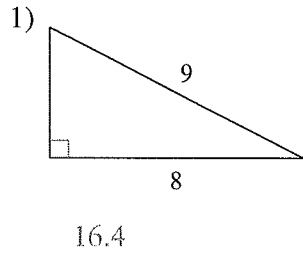


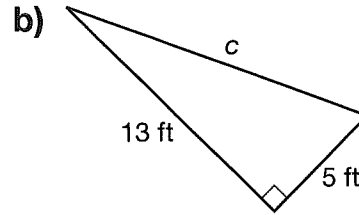
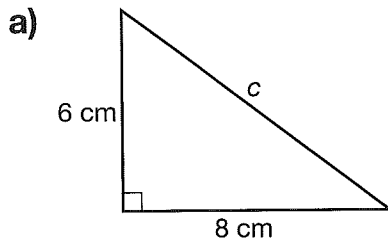
### Multi-Step Pythagorean Theorem Problems

Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

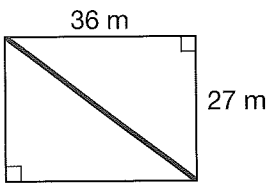
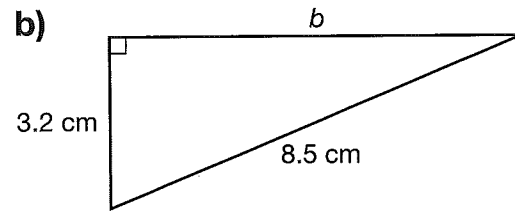
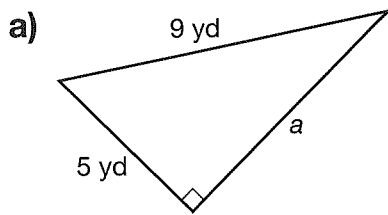


## Practice

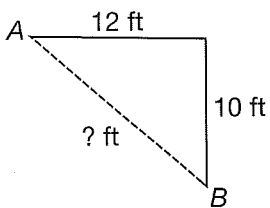
1. What is the length of the hypotenuse? If necessary, round to the nearest whole unit.



2. What is the length of the unknown leg? If necessary, round to one decimal place.



3. A path is being constructed between the corners of a park. What is the length of the path?



4. Luc is building a shed. What should the measure of the diagonal be so that the 12 ft wall is perpendicular to the 10 ft wall?