

Math 1015 - Fall2018 - August 27, 2019

Do these problems from your text:

1.1 1-12, 13ab.

Some are harder than others (3, 4, 6, 7, 8, 13b). Do the easier ones first. Do these problems below on this sheet of paper, and turn this sheet of paper in at the beginning of the next class.

1. Make a sketch of two circles each with a diameter and a right triangle as in figure 1.1.3 to illustrate Thale's theorem. Measure the angles approximately in degrees, then label each angle in each figure with these numbers.

Solve for unknown side of a right triangle with lengths a , b , and c where c is the hypotenuse.

2. $a = 3$, $b = 9$

3. $b = 4$, $c = 15$

4. $a = 3.12$, $c = 11.68$

5. On the surface of The Earth, a car drove East for 25 miles, then South for 32 miles, then stopped. About how far is the stopped car from its starting point?