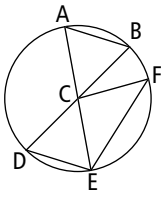
Name: _____ Date: _____

10.1 Warm Up

1. Point C is the centre of the circle.



a) List the line segments that are radii.

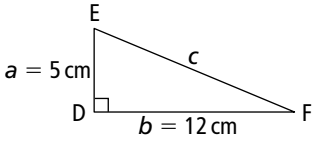
_____

b) List the line segments that are diameters.

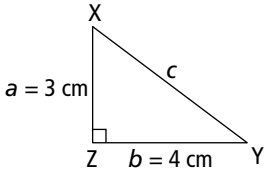
_____

2. Calculate the length of c in each right triangle. Use the Pythagorean relationship.

a)



b)



$a^2 + b^2 = c^2$

$DE^2 + DF^2 = EF^2$

$\square^2 + \mathbf{12^2} = EF^2$

_____ + _____ = EF^2

_____ = EF^2

$\sqrt{\square}$ = EF

_____ = EF

The length of EF is _____ cm.

3. Solve.

a) 6^2 = _____

b) 10^2 = _____

c) $\sqrt{16}$ = _____

d) $\sqrt{49}$ = _____

e) 180 ÷ 2 = _____

f) 90 ÷ 2 = _____