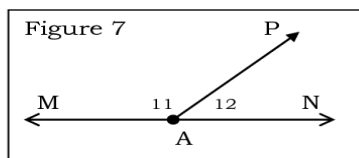
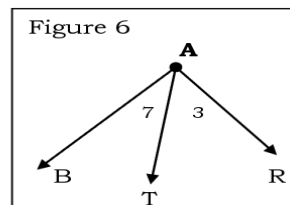
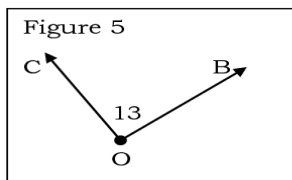
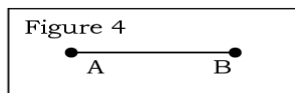
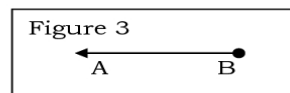
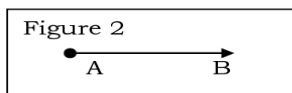
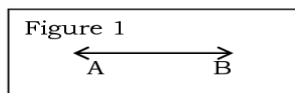


## Fundamentals of Geometry Worksheet



1. \_\_\_\_\_ Identify the shape in Figure 1 and write its name appropriately.
2. \_\_\_\_\_ Identify the shape in Figure 2 and write its name appropriately.
3. \_\_\_\_\_ Identify the shape in Figure 3 and write its name appropriately.
4. \_\_\_\_\_ Identify the shape in Figure 4 and write its name appropriately.
5. \_\_\_\_\_ Identify the shape in Figure 5 and name it appropriately three different ways.  
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6. \_\_\_\_\_ Name the largest angle in Figure 6.
7. \_\_\_\_\_ In Figure 6, write a number name for  $\angle BAT$ .
8. \_\_\_\_\_ In Figure 6, write another name for  $\angle 3$ .
9. \_\_\_\_\_ Suppose in Figure 6 that the  $m\angle BAR = 90^\circ$ . Then what must be true of both  $\angle 3$  and  $\angle 7$ ?
10. \_\_\_\_\_ Suppose in Figure 7 that points M, A, and N all lie on the same line. What must be true of  $\angle MAP$  and  $\angle PAN$  together?
11. \_\_\_\_\_ Suppose in Figure 7 that points M, A, and N all lie on the same line and that  $m\angle PAN = 67^\circ$ . What must be  $m\angle MAP$ ?
12. \_\_\_\_\_ Suppose in Figure 7 that points M, A, and N all lie on the same line and that  $m\angle PAM = 137^\circ$ . What must be  $m\angle NAP$ ?
13. Generalize your answers to questions 10-12 and make a conjecture about angles like those in Figure 7.  
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