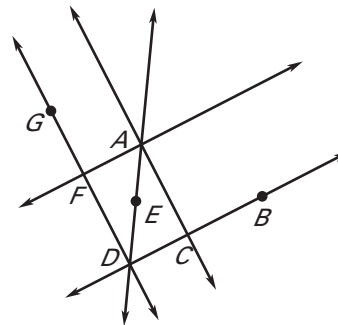


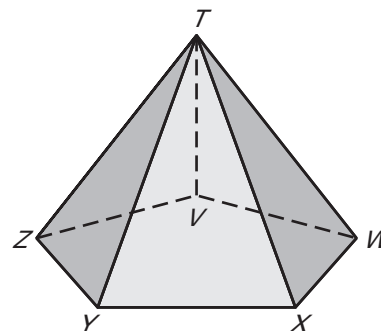
LESSON
1.1**Challenge Practice***For use with pages 2–8*

1. Name 15 different rays in the diagram at the right. Then name 3 pairs of opposite rays.
2. Draw four noncollinear points $A, B, C,$ and D . Sketch \overrightarrow{AD} and add a point E on \overrightarrow{AD} . Sketch \overrightarrow{EB} and add a point F on \overrightarrow{EB} . Sketch \overrightarrow{FC} and add a point G on \overrightarrow{FC} . Sketch plane AEF .



In Exercises 3–8, use the diagram at the right.

3. Name the intersection of plane YZT and plane XYT .
4. Name the intersection of plane WXT and plane YZT .
5. Are points $Z, V,$ and W collinear? Are they coplanar?
6. Name three planes that intersect at point W .
7. Name three lines that intersect at point Y .
8. Do the planes $YXT, WXT,$ and WVT intersect in one line?



In Exercises 9–12, you are given two equations of lines and a point.

Do the lines intersect at the given point? Explain your reasoning.

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| <p>9. $y = 5x + 1$
$y = -5x + 1$
$A(0, 1)$</p> | <p>10. $y = -2x + 6$
$y = 3x - 4$
$A(3, 3)$</p> |
| <p>11. $y = x + 8$
$y = -4x - 3$
$A(-2, 6)$</p> | <p>12. $y = 2x - 5$
$y = 3x + 1$
$A(-6, -17)$</p> |