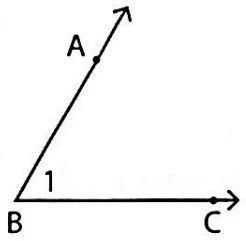
Name : _____

Period:
~~Score~~: _____

Sheet 1

# Naming Angles

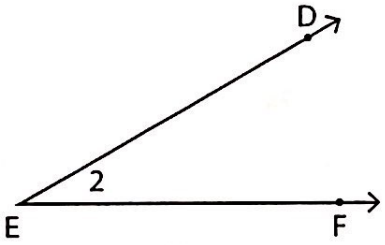
Example




∠ABC, ∠CBA, ∠B, ∠1

Name each angle in four different ways.

1)

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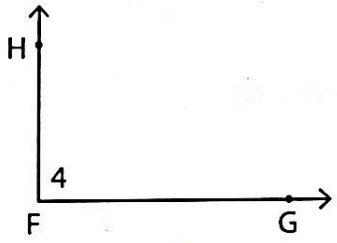
2)

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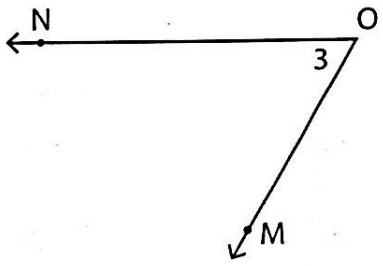
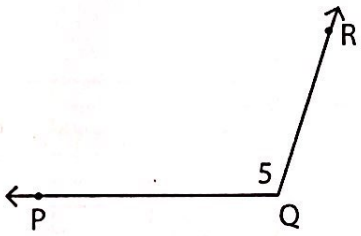
3)




_____

4)

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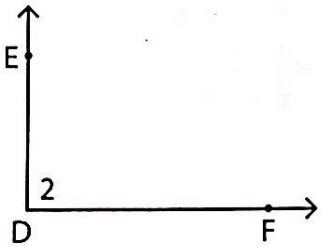
5)

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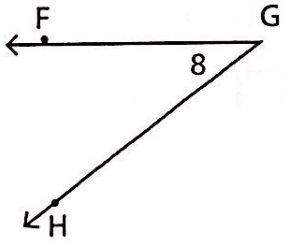
6)

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## Chapter 1.4 Homework

Find the distance and midpoint between each set of points.

3. (−7, 2) and (3, 6)

4. (6, −3) and (−4, 5)

5. (−10, −1) and (0, 4)

6. (−2, 7) and (−8, −9)

Solve for x

11) $14 = -(p - 8)$

12) $-(7 - 4x) = 9$

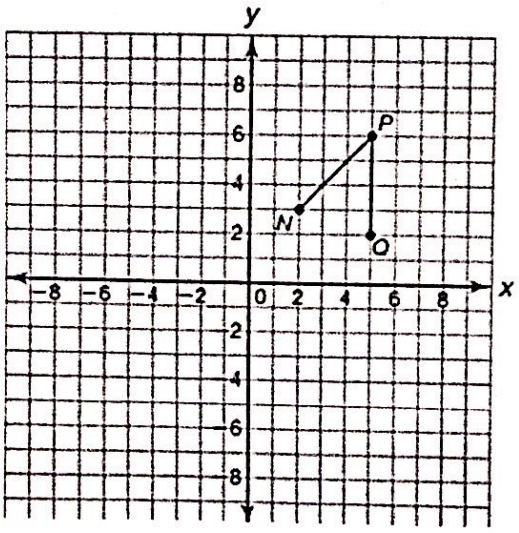
13) $-18 - 6k = 6(1 + 3k)$

14) $5n + 34 = -2(1 - 7n)$

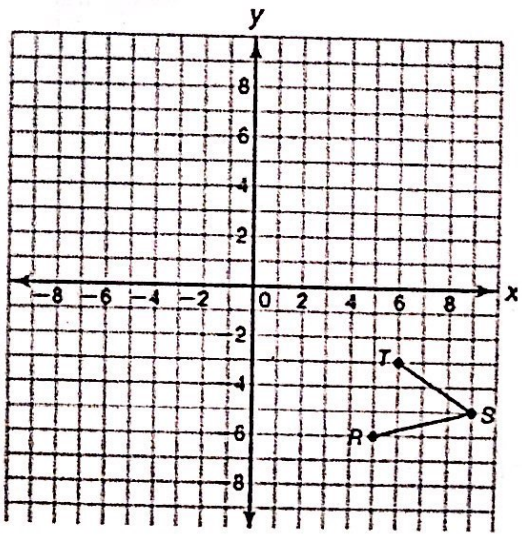
17) $-(1 + 7x) - 6(-7 - x) = 36$

18) $-3(4x + 3) + 4(6x + 1) = 43$

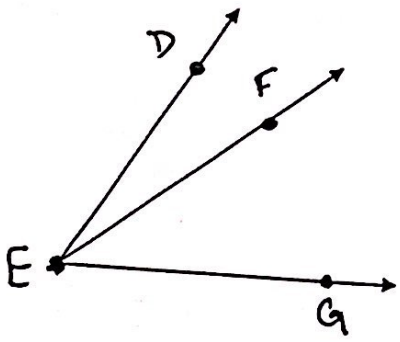
5. Translate $\angle NPQ$ 8 units to the left and 11 units down.




6. Translate $\angle RST$ 15 units to the left and 9 units up.



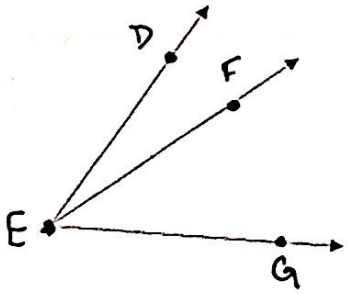
For # 1-5, $\overline{EF}$ bisects $\angle DEG$ . (The diagram is not drawn to scale.)



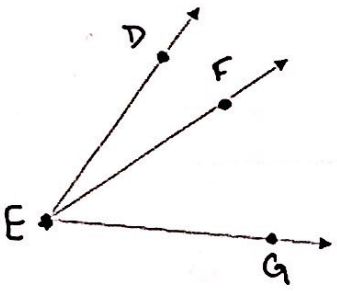

1. If $m\angle DEG = 88^\circ$ , find $m\angle FEG$ = _____

2. If $m\angle FED = 27^\circ$ , find $m\angle GED$ = _____

3. If $m\angle DEF = 3x+1$ and $m\angle DEG = 5x+19$ , find the value of x.




4. If $m\angle DEF = 5x-3$ and $m\angle FEG = 2x+15$ , find the value of x.




5. If $m\angle FEG = 6x-7$ and $m\angle FED = 2x+41$ , find the $m\angle DEG$. (solve for x first!)