|  |  |
| --- | --- |
| Angle | Measure |
| *a* |  |
| *b* |  |
| *c* |  |
| *d* |  |
| *e* |  |
| *f* |  |
| *g* |  |
| *h* |  |
| *i* |  |
| *j* |  |
| *k* |  |

**HW 6-1**

1. a. Find the measure of each angle in the diagram.

*e*

*b*

***c***

*d*

*a*

*f*

***g***

*h*

*i*

*j*

***k***

55°

110°

b. What geometric relationship did you use to find angles ***c***, ***g***, and ***k*?**

Explanation for ∠*c*: Explanation for ∠*g*: Explanation for ∠*k*:

3. Set up and solve an equation to solve for x in each diagram.

3*x* – 20

2*x* + 20

1. b)

3*x* – 20

2*x* + 20

3*x* + 2

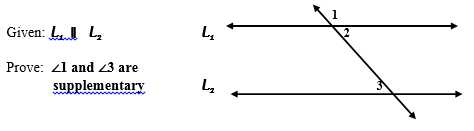
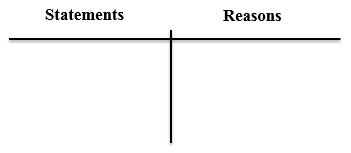
7*x* – 10

1. d)

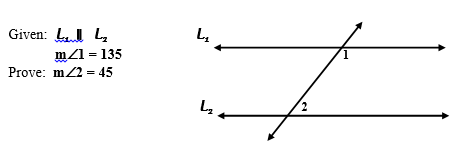
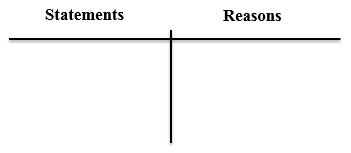
98°

*x*

48°



4.



5.