**GEOMETRY NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Justification Extra Practice**

Vertical angles are \_\_\_\_\_\_\_\_\_\_ Consecutive interior angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Corresponding angles are \_\_\_\_\_\_\_\_\_\_ Linear pairs are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Alternate Interior angles are\_\_\_\_\_\_\_\_\_\_ Alternate Exterior angles are \_\_\_\_\_\_\_\_\_\_

Def of ⊥ Def of Complementary Def of Supplementary Def of < bisector

Def of right angle Angle addition Additive Inverse Substitution

Multiplicative Inverse CLT Straight Angle

**Using the word bank above, justify the setup of #1-12 below. Refer to the pictures shown below for each problem.**



****

****

1.<ABD=90° 2. <11=90° 3. <6≅<8

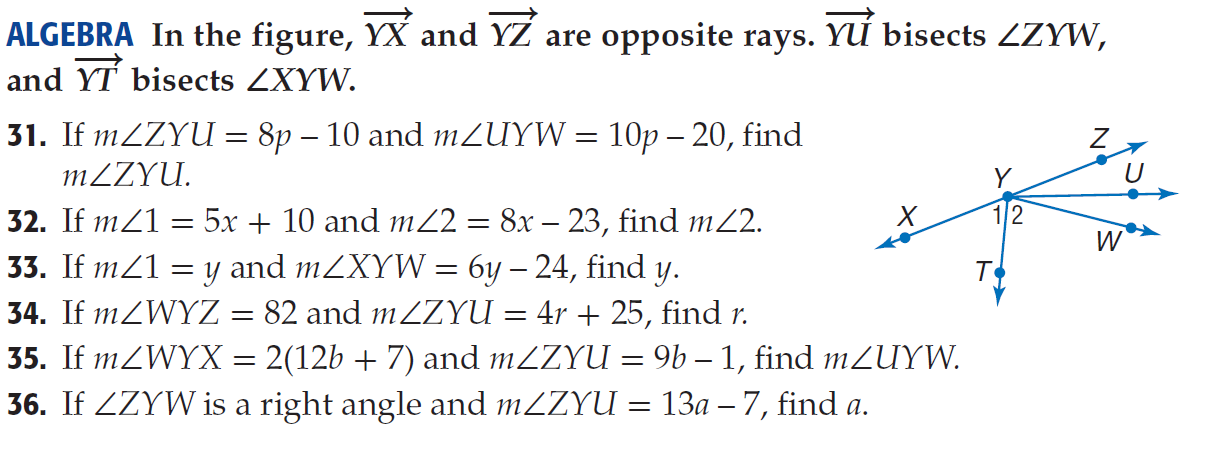
4. <8 +<5 =180° 5. <4 + <5= 180° 6. <3≅<7

7.<13≅<14 8. < 15+<16=90° 9. <ABD+<EFH=180°

10. <7≅<1 11. <12+<13+<14=<ABD 12. <6≅<4

|  |  |
| --- | --- |
| 13. Find x and y so that | 14. Find y, ∠RPT and ∠TPW |

In the figure, are opposite rays. bisects , and bisects . Show your work. Justify steps!



15. If and , find x

16. If the and the, find