

Homework 3-1
Place Value & Rounding

Unit 3

Review. Evaluate the expressions.

1. $50 - 2 \cdot 10 + 4$

6. $-15 - 7$

2. $\frac{5 \cdot 6}{6 + 9}$

7. $7x + 5 - 3x$

3. $4 + 3(7 + 5)$

8. $-8 + 3 + 2a$

4. $6 - 15 \div 3 + 2$

9. $2x + 4y + 6x - y$

5. $11 - (-2)$

10. $3a + a - 5$

Decimals and Place Value

| ten thousands | thousands | hundreds | tens | ones | (and) | tenths | hundredths | thousandths | ten-thousandths |
|---------------|-----------|----------|----------|----------|-------|----------|------------|-------------|-----------------|
| | | | <u>2</u> | <u>2</u> | ● | <u>5</u> | | | |
| | | | <u>2</u> | <u>2</u> | ● | <u>0</u> | <u>5</u> | | |
| | | | | | ● | | | | |

twenty-two and five tenths
twenty-two and five hundredths

Tell what place value the underlined digit is in.

11. 326.514

16. 3,581.074

12. 2.7801

17. 4,274.97

13. 3,522.965

18. 7,804.25

14. 17.2071

19. 79,248.05

15. 187.289

20. 5,711.646

Round the decimal as specified.

21. **28.6** (nearest one)

22. **0.39** (nearest tenth)

23. **75.3701** (nearest thousandth)

24. **3.5949** (nearest hundredth)

25. **78.09** (nearest tenth)

26. **0.83** (nearest one)

27. **8.203** (nearest hundredth)

28. **8.97081** (nearest ten-thousandth)

29. **812.719425** (nearest thousandths)

30. **53.276164** (nearest hundredths)