

**Honors Statistics**

## 5.2: Finding values

Name \_\_\_\_\_

Period \_\_\_\_\_ Date \_\_\_\_\_

**Find the z-score that corresponds to the given cumulative area. If the area is not in the table, use the entry closest to the area. Make a sketch of the area.**

1. .0202

2. .2090

3. .8023

4. .6443

5. .4364

6. .0080

7. .9916

8. .7673

9. .1500

10. .6800

**Find the z-score that corresponds to the given percentile. If the area is not in the table, use the entry closest to the area. Make a sketch of the area.**

11. 90th percentile

12. 5th percentile

13. 75th percentile

14. 13th percentile

15. 95th percentile

16. 67th percentile

17. 45<sup>th</sup> percentile

18. 88th percentile

1	-2.05
2	-.81
3	.85
4	.37
5	-.16
6	-2.41
7	2.39
8	.73
9	-1.04
10	.47
11	1.28
12	-1.645
13	.67
14	-1.13
15	1.645
16	.44
17	-.13
18	1.175