

To Do Now After 5.1

Sketch a picture for EVERY PROBLEM before working the problem.

1. Find the z-score that has 62.8% of the distributions area to its right.
2. Find the area to the right of $z = -1.75$.
3. Find the area to the left of $z = -3.08$.
4. Find the area between $z = -0.51$ and $z = 1.42$.

Find each of the following probabilities using the standard normal distribution.

5. $P(z < 0.45)$
6. $P(z > 2.55)$
7. $P(-2.95 < z < 0.76)$
8. $P(z < -1.96 \text{ or } z > 1.96)$

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