

## PARCC Assessment Item Illustrating 8.F.A.3

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Which functions are **not** linear?

Select **three** such functions.

- A.  $y = \frac{x}{5}$
- B.  $y = 5 - x^2$
- C.  $-3x + 2y = 4$
- D.  $y = 3x^2 + 1$
- E.  $y = -5x - 2$
- F.  $y = x^3$

### Answer Key

B, D, F

### Elaboration on Alignment

One of the expectations of standard 8.F.A.3 is that students can sort functions into two buckets: linear and not linear. Selected response items that allow for students to select more than one correct answer work well for standards that require classification of objects into categories.

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