

## 11.1 Polyhedrons

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### Answers

1.  $V = 8$
2.  $F = 9$
3.  $E = 30$
4.  $F = 6$
5.  $E = 6$
6.  $V = 6$
7.  $F = 9$
8.  $V = 6$
9. Yes, hexagonal pyramid.  $F = 7, V = 7, E = 12$
10. No, a cone has a curved face.
11. Yes, hexagonal prism.  $F = 8, V = 12, E = 18$
12. No, a hemisphere has a curved face.
13. Yes, trapezoidal prism.  $F = 6, V = 8, E = 12$