- $1.\ b,\,g$
- 2. c, f
- 3. If you insist on interpreting the dot as a dot product, then the answer is a. If you realize you can interpret the dot as scalar multiplication, then the answer is c, f.

4. b, i

- 5. a
- 6. e, j, m, q
- 7. e, k, q
- 8. j, m
- 9. j, m
- 10. l
- 11. n
- 12. a
- 13. e, k, q
- 14. a
- 15. e, v
- 16. d, r
- 17. d, o. The graph is a parbaola in the z x plane. However, you can instead interpret this as a surface in three-space which doesn't happen to depend on y. In that interpretation, the graph is a parabolic cylinder running along the y-axis, and choice r is an additional option.
- 18. t, a circle in the x y plane. However, you can instead interpret this as as surface in three-space which doesn't happen to depend on z. In that interpretation, the graph is a circular cylinder running along the z-axis, and choice s is an additional option.

19. d, p