Fitt's Law [1]: Speed and Accuracy

$$T = a + b\log_2\left(\frac{D}{S+1}\right)$$

where

T	is movement Time
D	is Distance
S	is target Size
a, b	are constants

Breadth-Depth Tradeoff in Menu Selection [2]

$$T = k + c\log b$$

$$D = \log_b N$$

where

T	is Time to select from one menu
b	is Breadth (# of items per menu)
D	is Total Time to traverse menu tree
N	is # items in the menu tree
k, c	are constants

References

[1] Alan Dix, Janet Finlay, Gregory Abowd, and Russell Beale. *Human-Computer Interaction* (Second ed.). Prentice Hall Europe, 1998. © Pearson Education Limited. ISBN 0-13-239864-8. page 26.

[2] Ben Shneiderman. *Designing the User Interface: Strategies for Effective Human-Computer Interaction* (Third ed.). Addison Wesley, 1998. © Addison-Wesley Longman, Inc. ISBN 0-201-69497-2. page 249.